

# MAXHUB Digital Signage ND86CMB Datasheet

## V1.3



### Display

|                             |                              |
|-----------------------------|------------------------------|
| Model                       | ND86CMB                      |
| Screen Size                 | 86"                          |
| Aspect Ratio                | 16:9                         |
| Panel Type                  | ADS                          |
| Backlight                   | DLED                         |
| Pixel Pitch                 | 0.494 (H) × 0.494 (V) mm     |
| Display Area                | 1895.04 (H) × 1065.96 (V) mm |
| Brightness (Typ.)           | 500 nits                     |
| Haze                        | 25%                          |
| Resolution                  | 3840 × 2160                  |
| Refresh Rate                | 60 Hz                        |
| Contrast Ratio (Typ.)       | 1,200:1                      |
| Contrast Ratio (Dynamic)    | 1,000,000:1                  |
| Viewing Angle (H × V)       | 178° / 178°                  |
| Color Gamut                 | 98% sRGB                     |
| Display Orientation         | Landscape / Portrait         |
| Response Time               | 8 ms                         |
| Life Time (50%)             | > 50,000 hours               |
| Operation Hour (Hour / Day) | 24 / 7                       |
| Display Color               | 1.07B (10bit)                |
| Sensor                      | Ambient light sensor         |

### Audio

|               |                                       |
|---------------|---------------------------------------|
| Sound Channel | 2.0                                   |
| Speaker Power | 2 × 12W (Output)<br>2 × 16W (Maximum) |

### Built-in System

|                  |                 |
|------------------|-----------------|
| Operating System | Android 14.0    |
| CPU              | A73 × 4, 1.8GHz |
| GPU              | G57 MC1         |
| APU              | 1.5 TOPS        |
| RAM              | 4 GB            |
| ROM              | 32 GB           |

### Connectivity

|                      |                 |                                                                          |
|----------------------|-----------------|--------------------------------------------------------------------------|
| Input                | HDMI IN × 3     | 2.0, up to 4K@60Hz, CEC, ARC (HDMI 1)                                    |
|                      | USB 2.0 × 2     | Rear: For external peripherals<br>Side: USB clone                        |
|                      | USB 3.0 × 1     | For external peripherals                                                 |
|                      | USB Type-C × 1  | Video and audio transmission,<br>65W PD charging,<br>LAN network sharing |
|                      | AUDIO IN × 1    | 3.5mm Jack                                                               |
|                      | RS232 × 1       | DB-9                                                                     |
| Output               | RJ45 IN × 1     | 10M / 100M / 1000Mbps                                                    |
|                      | HDMI OUT × 1    | Up to 4K@60Hz,<br>not supported in Android and HDMI 1 channel            |
|                      | AUDIO OUT × 1   | 3.5mm Jack                                                               |
|                      | SPDIF × 1       | PCM output format                                                        |
| Wi-Fi Module Slot    | RJ45 OUT × 1    | 10M / 100M / 1000Mbps                                                    |
|                      | Module slot × 1 |                                                                          |
| Wi-Fi Module (SI07B) |                 | Wi-Fi 6 supported<br>802.11ac/b/g/n/a/ax, 2.4GHz/5GHz                    |
| Bluetooth            |                 | 5.2                                                                      |

| Feature           |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| System OS         | MAXHUB Signage OS V2                                                                    |
| Screen Share      | MAXHUB Share<br>Support BYOD / Miracast / Airplay / Chromecast                          |
| Device Management | MAXHUB Pivot                                                                            |
| Protocol Control  | RS232 / IP control<br>Compatible with control systems<br>(Crestron, Q-SYS, and Extron)  |
| Special Features  | Screen rotation / Auto input change /<br>Play via URL / Wake on LAN / Color Calibration |

| Accessory          |         |
|--------------------|---------|
| Power Cord         | 3 m × 1 |
| HDMI Cable         | 3 m × 1 |
| Remote Control     | × 1     |
| Display Bracket    | × 2     |
| Wall Mount Bracket | × 1     |
| Wi-Fi Module       | × 1     |

| Certifications     |                              |
|--------------------|------------------------------|
| Environment        | Energy Star                  |
| IP Rating          | IP5X                         |
| Crestron Connected | Yes                          |
| NDI                | HX2/HX3 2160p60   2-ch Audio |
| Safety             | IEC62368-1                   |
| EMC / ErP          | Class B / Yes                |

| Physical Specification                 |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Bezel Width                            | 15.9 mm / 0.63 inch (Even)                             |
| Dimension (W × H × D)                  | 1930.8 × 1101.7 × 68 mm /<br>76.04 × 43.37 × 2.68 inch |
| Shipping Dimension<br>(W × H × D)      | 2110 × 1247 × 225 mm /<br>83.07 × 49.09 × 8.86 inch    |
| Thickness of Machine and<br>Wall Mount | 101 mm / 3.98 inch (WIB6560A)                          |
| VESA                                   | 600 × 400 mm                                           |
| Net Weight                             | 40.80 kg / 89.95 lb                                    |
| Gross Weight                           | 56.95 kg / 125.58 lb                                   |

| Environmental Conditions |                             |
|--------------------------|-----------------------------|
| Operating Temperature    | 0°C ~ 40°C / 0°F ~ 104°C    |
| Storage Temperature      | -20°C ~ 60°C / -4°F ~ 140°F |
| Operating Humidity       | 10% ~ 90% RH                |
| Storage Humidity         | 10%~ 90% RH                 |
| Altitude                 | Below 5000 m                |

| Power                                |                  |
|--------------------------------------|------------------|
| Power Supply                         | 100-240V~50/60Hz |
| Standby Power                        | ≤ 0.5 W          |
| Power Consumption<br>(Energy Saving) | 122 W            |
| Power Consumption (Typ.)             | 148 W            |
| Power Consumption (Max.)             | 247 W            |

| Warranty |                  |
|----------|------------------|
| Display  | 3 years warranty |

**Statement**

Size and weight vary by configuration and manufacturing process, please refer to the actual product. The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product. The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance. Should the above-mentioned change in the document become necessary, the document may be updated without written notice.